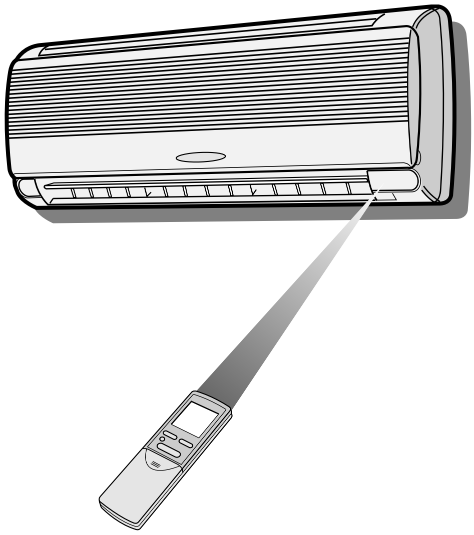
SHARP SERVICE MANUAL

S2918AHA129E/



SPLIT SYSTEM ROOM AIR CONDITIONERS

INDOOR UNIT

MODELS **AH-A129E**

OUTDOOR UNIT

AU-A129E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

TABLE OF CONTENTS

SHARP CORPORATION

SPECIFICATIONS

ITEMS			INDOOR UNIT AH-A129E	OUTDOOR UNIT AU-A129E
Cooling capacity		kW	3.45	
Moisture removal		Liters/h	1.3	

★ Electrical data

Phase		–	Single	
Rated frequency		Hz	50	
Rated voltage range		V	198 to 264	
Rated voltage		V	220 - 240	
Rated current	Cool	A	5.3 - 5.1	
Rated input	Cool	W	1150 - 1180	
Compressor	Type		Hermetically sealed rotary type	
	Model		RH207VXET	
	Oil charge		520cc (DIAMOND MS56))	
Refrigerant system	Evaporator		Louver fin and Grooved tube type(7mm tube)	
	Condenser		Louver fin and Grooved tube type(7mm tube)	
	Control		Capillary tube	
	Refrigerant volume		940g	
Capillary tube size	Outer dia.	mm	–	2.7
	Inner dia.	mm	–	1.6
	Lenght	mm	–	700
	Q'ty		–	1
Noise level	High	dB(A)	42	48
	Med.	dB(A)	40	–
	Low	dB(A)	36	–

Fan system

Drive			Direct drive	Direct drive
Air flow quantity (at cooling)	High	m^3/min.	9.3	26
	Med.	m^3/min.	8.4	–
	Low	m^3/min.	7.0	–
Fan			Cross flow fan	Propeller fan

Connections

Refrigerant coupling	Flare type
Refrigerant tube size Gas, Liquid	1/2", 1/4"
Refrigerant pipe sets No.	AZ-24T7F; 7m(23ft)
Drain piping mm(Inches)	O.D ø 18(45/64)

Others

Safety device			Compressor: Overload protector(Internal)	
			Fan motors: Thermal fuse	
			Fuse, Micro computer control	
Air filters			Polypropylene net (Washable)	
Net dimensions	Width	mm	897	720
	Height	mm	297	535
	Depth	mm	186	236
Net weight		kg	10	35

Note: The condition of star(★) marked item are 'IEC378'.

EXTERNAL DIMENSIONS

Length unit (mm)

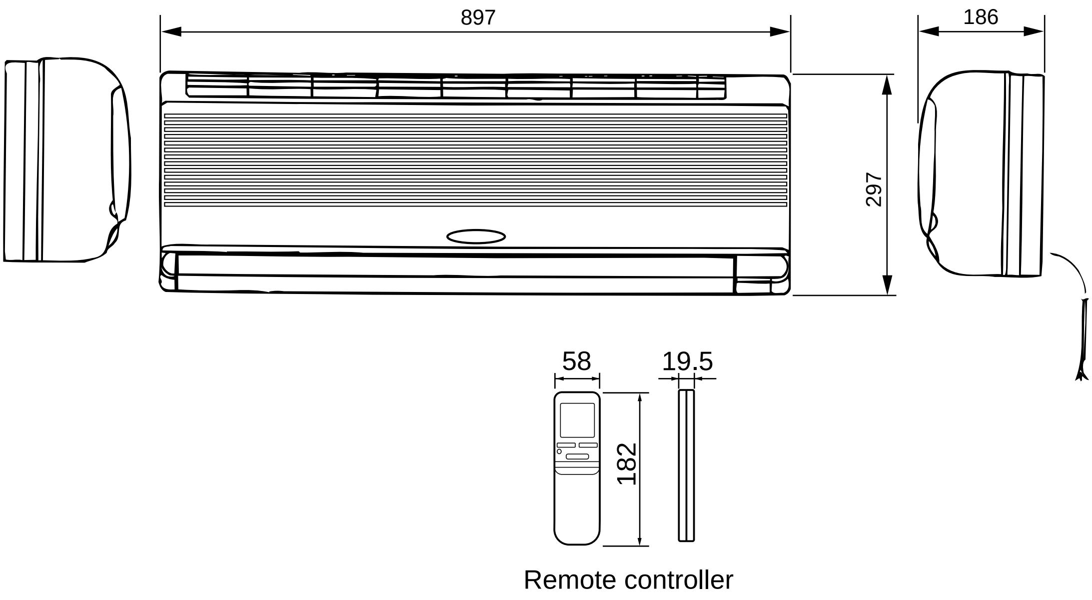


Figure E-1. INDOOR UNIT

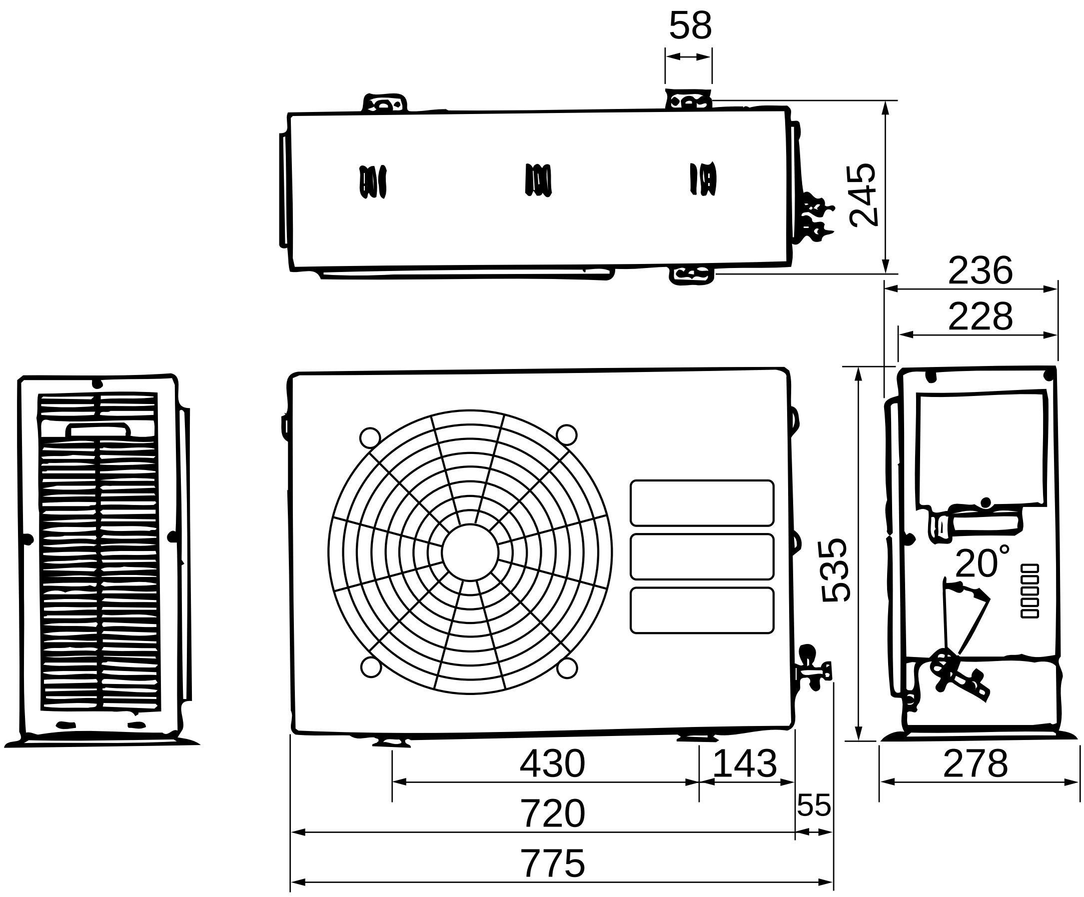


Figure E-2. OUTDOOR UNIT

WIRING DIAGRAMS

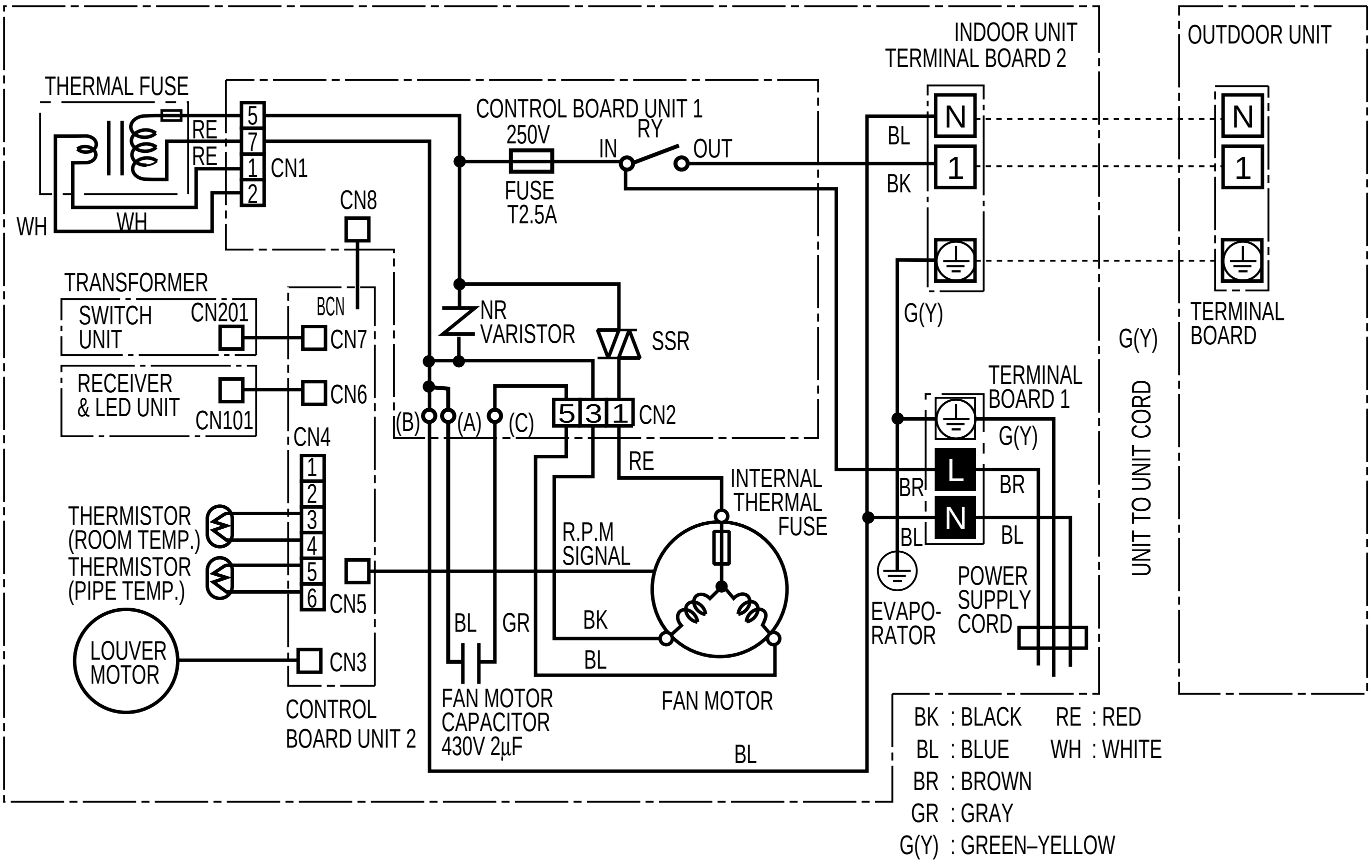


Figure W-1. Wiring Diagram for AH-A129E

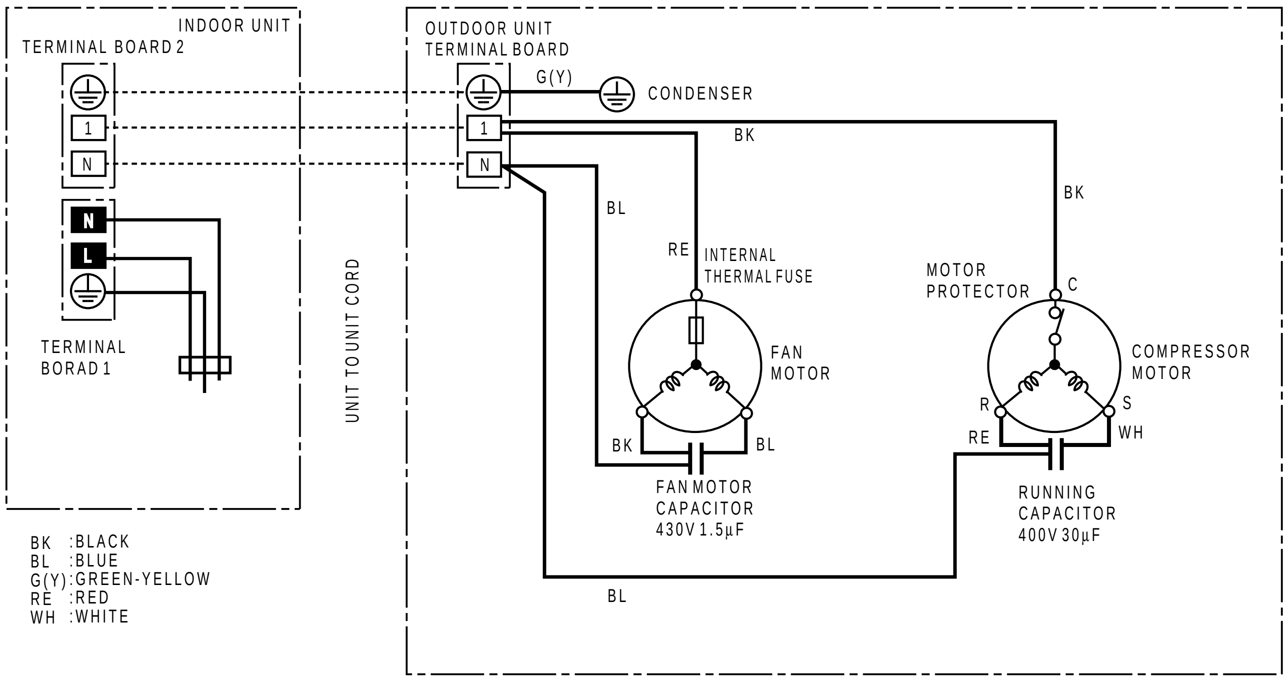
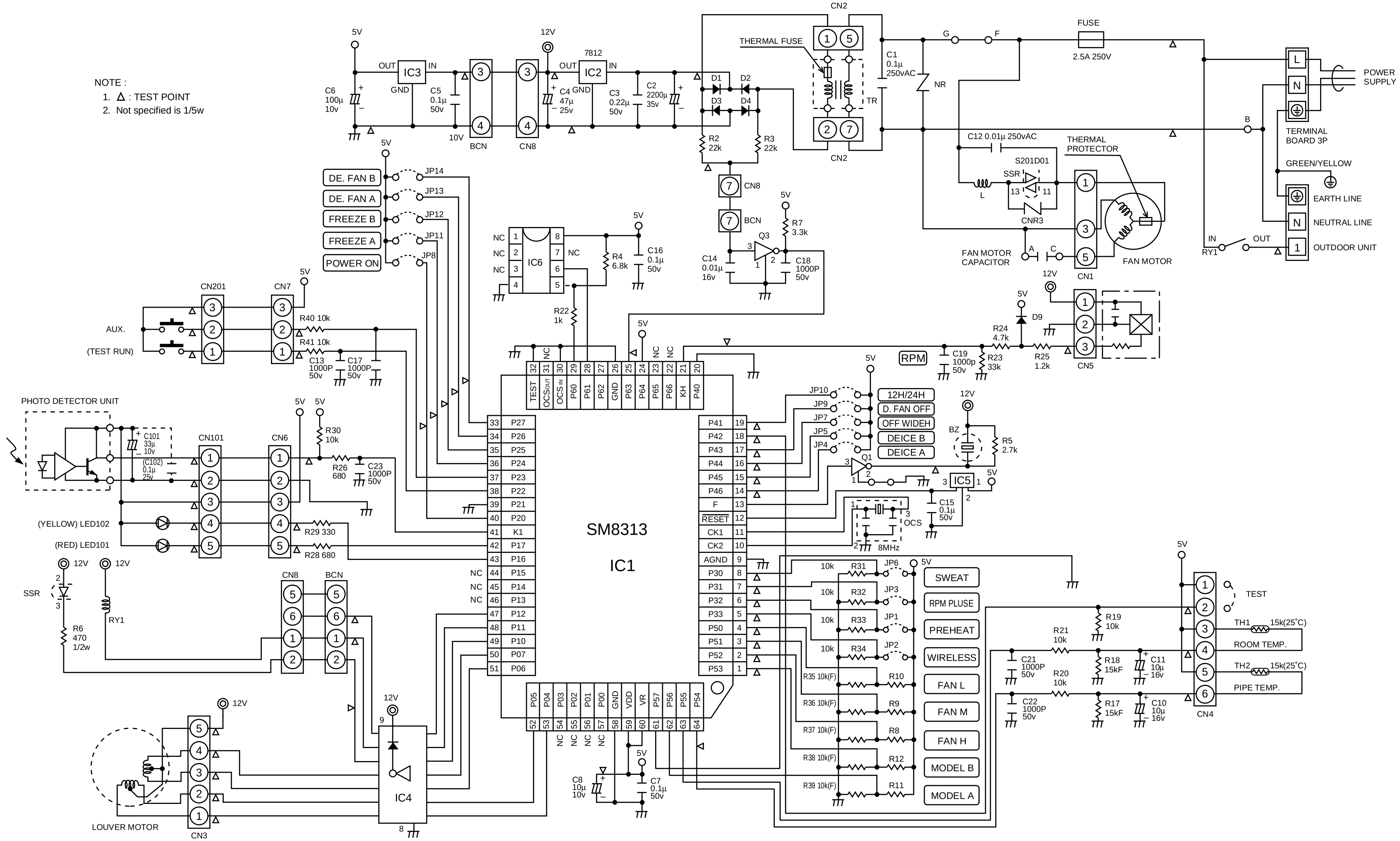


Figure W-2. Wiring Diagram for AU-A129E

ELECTRICAL PARTS

DESCRIPTION	MODEL	REMARKS	SITE
Compressor	RH207VXET	220/240V, 50Hz, 1000W	AU
Indoor fan motor	ML-A525	220 - 240V, 50Hz, 220V, 60Hz	AH
Outdoor fan motor	ML-A593	220/240V, 50Hz, 220V, 60Hz	AU
Indoor fan motor capacitor	–	430V, 2µF	AH
Outdoor fan motor capacitor	–	430V, 1.5µF	AU
Running capacitor	–	400V, 30µF	AU
Transformer	–	Primary; AC 220/240V, 50Hz Secondary; AC14.5/15.9V, 50Hz	AH
Fuse	–	250V, 2.5A	AH



FUNCTION	12H / 24H	D. FAN OFF OFF/ON	OFF WIDEH 3/5min.	DEICE B	DEICE A	SWEAT ON/OFF	RPM PLUSE 1/3	PREHEAT OFF/ON	WIRELESS CHANG/ NORMAL	FAN L	FAN M	FAN H	MODEL B	MODEL A	DE. FAN B	DE. FAN A	FREEZE B	FREEZE A	POWER ON ON/OFF
IC1 PIN NO.	19 (P41)	17 (P43)	16 (P44)	15 (P45)	14 (P46)	8 (P30)	7 (P31)	6 (P32)	5 (P33)	4 (P50)	3 (P51)	2 (P52)	1 (P53)	64 (P54)	33 (P27)	34 (P26)	35 (P25)	36 (P24)	40 (P20)
SYMBOL	JP10	JP9	JP7	JP5	JP4	JP6	JP3	JP1	JP2	R10	R9	R8	R12	R11	JP14	JP13	JP12	JP11	JP8
SET	X NONE	X NONE	X NONE	X NONE	X NONE	X NONE	O USE	O USE	X NONE	2.7k(F)	3.9k(F)	2.7k	1.2k(F)	7.32k(F)	X NONE	X NONE	X NONE	X NONE	X NONE

Figure L-1. Electronic Control Circuit Diagram

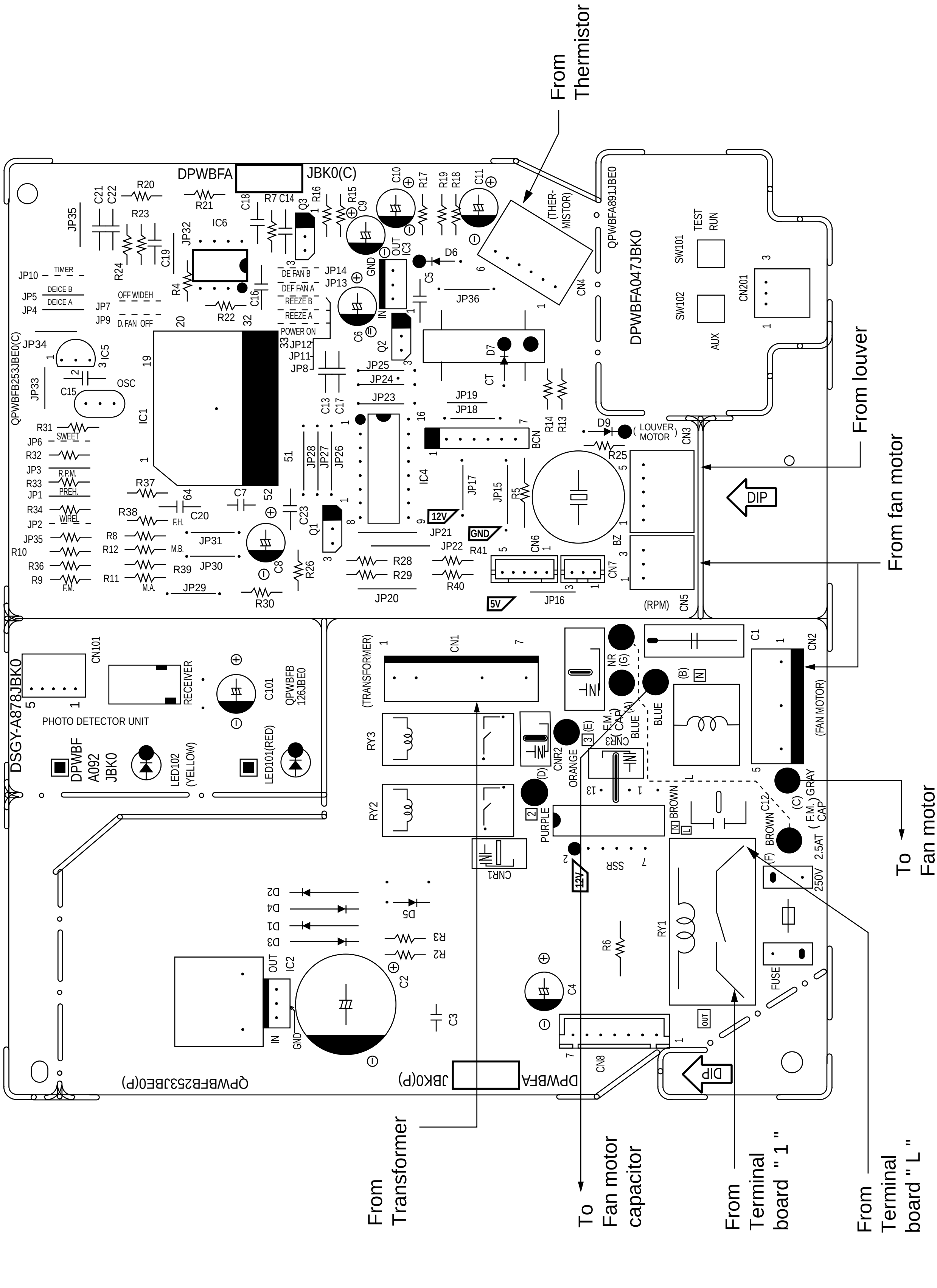


Figure L-2. Printed Wiring Board

MICROCOMPUTER CONTROL SYSTEM

Microcomputer (IC1)
The microcomputer is a CMOS, one chip, 8-bit microcomputer.
Microcomputer port allocation is as follows.

Pin No.	Terminal Name	Input Output	Function
1	P53	IN	MODEL B
2	P52	IN	FAN H
3	P51	IN	FAN M
4	P50	IN	FAN L
5	P33	IN	WIRELESS
6	P32	IN	PREHEAT
7	P31	IN	PRM PLUSE
8	P30	IN	SWEAT
9	AGND	IN	0V
10	CK2	IN	OSILLATION
11	CK1	IN	OSILLATION
12	RESET	IN	RESET
13	F	OUT	BUZZER
14	R46	IN	DEICE A
15	R45	IN	DEICE B
16	R44	IN	COMP. OFF WIDTH
17	R43	IN	DEHUM. FAN OFF
18	R42	IN	TEST 1
19	R41	IN	–
20	R40	IN	–
21	KH	IN	PRM SIGNAL
22	P66	IN	–
23	P65	IN	–
24	P64	IN	–
25	P63	IN	AC CLOCK
26	GND	IN	0V
27	P62	IN	–
28	P61	OUT	EEPROM CLOCK
29	P60	IN	EEPROM DATA
30	OSC	IN	–
31	OSC	OUT	–
32	TEST	IN	–

Pin No.	Terminal Name	Input Output	Function
33	P27	IN	MODEL 4
34	P26	IN	MODEL 3
35	P25	IN	MODEL 2
36	P24	IN	MODEL 1
37	P23	IN	SWITCH AUX.
38	P22	IN	SWITCH TEST RUN
39	P21	IN	–
40	P20	IN	POWER ON
41	KI	IN	WIRELESS SIGNAL
42	P17	OUT	LED OPERATION
43	P16	OUT	LED TIMER
44	P15	OUT	–
45	P14	OUT	–
46	P13	OUT	(VALVE COIL)
47	P12	OUT	(OUT DOOR FAN)
48	P11	OUT	RY1
49	P10	OUT	SSR
50	P07	OUT	LOUVER MOTOR
51	P06	OUT	LOUVER MOTOR
52	P05	OUT	LOUVER MOTOR
53	P04	OUT	LOUVER MOTOR
54	P03	OUT	–
55	P02	OUT	–
56	P01	OUT	–
57	P00	OUT	–
58	GND	IN	0V
59	VDD	IN	5V
60	VR	IN	5V
61	P57	IN	(CURRENT LEVEL)
62	P56	IN	TH1
63	P55	IN	TH2
64	P54	IN	MODEL A

FUNCTIONS

1. Temperature control characteristic

1-1 COOL operation

In the "COOL" mode, the thermostat circuit is controlled by four thermostat lines (C1 thru C4).

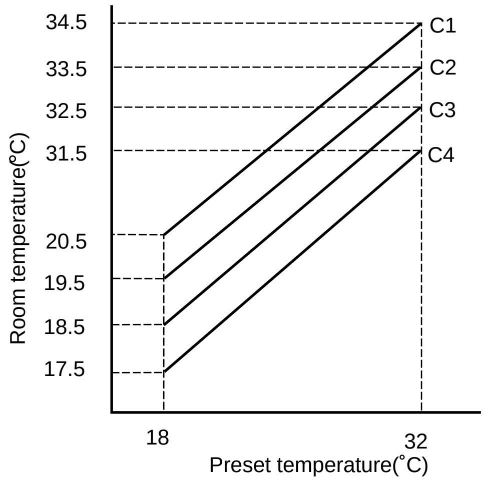


Figure H-1

1-2 DRY operation

In the "DRY" mode, the thermostat circuit is controlled by three thermostat lines (D1 thru D3).

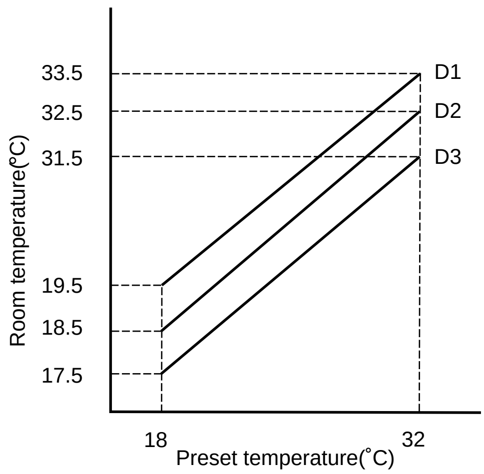


Figure H-2

2. Operation modes

2-1 COOL operation

The compressor turns on or off, at the thermostat lines C3 and C4. The outdoor fan motor is also controlled with the compressor.

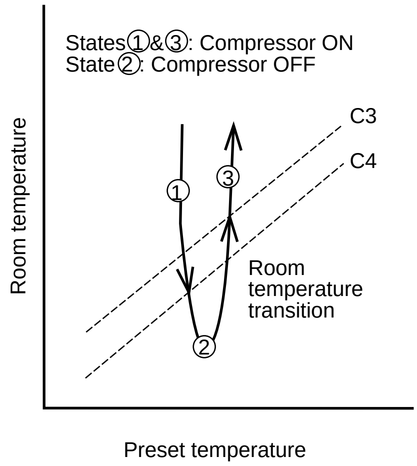


Figure H-3

2-2 DRY operation

On the switch on, the compressor always starts to operate for 2 minutes with fan speed "D" (slower than "UL").

The microcomputer measures the room temperature 2 minutes after this first compressor operation. This room temperature is set as the preset temperature automatically. The preset temperature ranges from 18˚C to 32˚C. When the room temperature is below 18˚C, the preset temperature is set to 18˚C, and when the room temperature is over 32˚C, the preset temperature is set to 32˚C

Dry operation is divided into three zones (Cooling zone, Dehumidifying zone and Circulating zone) by thermostat lines (D1 to D3), and the compressor and the fan motor are controlled in each zone as shown in Table H-1.

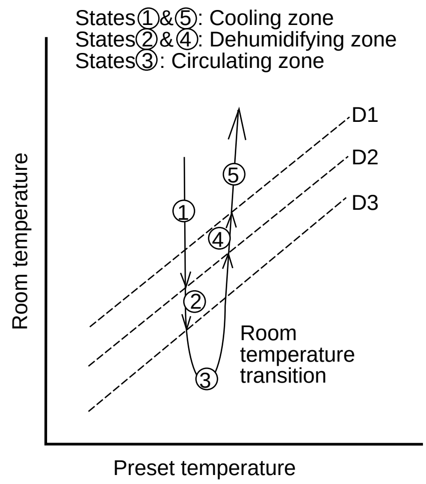


Figure H-4

Table H-1

	Compressor	Fan speed
Cooling zone	ON	"UL"
Dehumidifying zone	ON	"D"
Circulating zone	OFF	"D" or OFF

2-3 Fan only operation
The indoor fan motor always turns on.

3. Fan speed
Fan speeds are given by the indoor fan motor, “H”, “M”, “L” and “UL”, which are available in the following operation mode.

Table H-2

FAN Switch	COOL	FAN ONLY
HIGH	M	M
LOW	L	L
SOFT	UL	UL

4. Anti-sweating
When the operation continues 30 minutes in cooling zone or dehumidifying zone during dry operation or in continuous compressor operation during cool operation, the fan speed of indoor fan motor shifts up, from “UL” to “L” or from “D” to “UL”.

5. Freeze preventive
When the indoor pipe temperature falls below -1˚C during cool operation or dry operation, the compressor is stopped.

6. Test run
If the “TEST RUN” button in the unit is pushed during suspension of operation, cool test operation starts. At this time, the fan speed is set to “AUTO”. If this button is pushed during operation, the test operation starts in current operation mode. The operation LED (red) flickers during test run. During cool operation and heat operation, the compressor is kept on but in dry operation it is set in the dehumidifying zone. In fan only mode the indoor fan motor runs continuously.

7. Timer
7-1 24-HOUR PROGRAMMABLE ON/OFF TIMER
ON-TIMER or OFF-TIMER can be independently programmed. When the unit operates during one hour after the OFF-time is set, thermostat setting is automatically shifted (+1˚C in cool operation and dry operation, -3˚C in heat operation, but, 16˚C set temperature at the lowest).
When the ON-timer is set in heat operation and cool operation, operation starts before 0 to 30 minutes(depends on the room temperature) so that preset temperature is obtaind at set time.

7-2 ONE-HOUR TIMER
When ONE-HOUR timer is set, the unit turns off automatically after one hour. The one hour timer operation has priority over other time operation, such as the TIMER ON and TIMER OFF. If the ONE-HOUR TIMER button is pressed again during operation, the unit will operate additionally for another one hour.

8. Automatic air conditioning
When automatic air conditioning is selected, the operation mode and preset temperature are set automatically according to the room temperature on starting operation.

Table H-3

Room temp. of operation start	Operation start	Preset temp.
Above 28˚C	COOL	26˚C
26˚C to 28˚C		25˚C
24˚C to 26˚C		24˚C
Below 24˚C	DRY	Room temp. at operation start

9. Automatic fan speed
When the automatic fan speed is selected in cool or heat operation, the fan speed is automatically changed by the thermostat lines C1 to C3 in cool operation and H1 to H4 in heat operation.

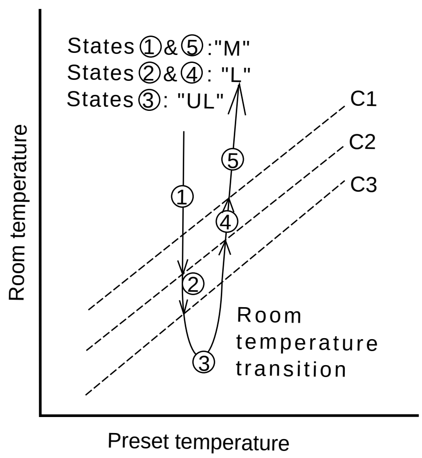


Figure H-5

10. Power on start

If the connecting wire "POWER ON" is cut on the PWB ass'y, when the power is supplied by turning on a circuit breaker, the air conditioner automatically starts of operation in "AUTO" mode.
(Refer to Figure L-2. Printed Wiring Board.)

11. Auto restart

Power failure occurs during operation, the unit will restart in the same operation mode as before after power recovery.
(Refer to Figure L-2. Printed Wiring Board.)

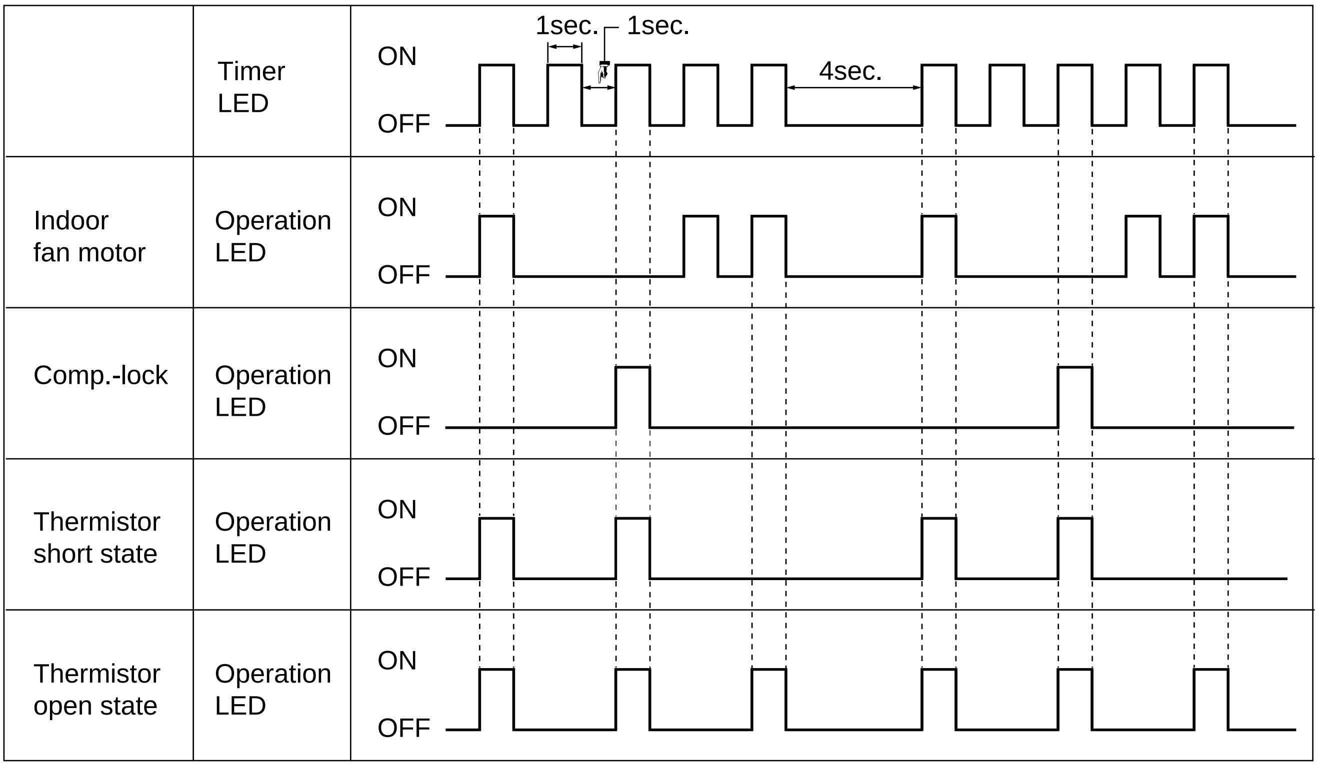
12. Outputs in each operation mode

Table H-4

		Compressor	Outdoor Fan motor	Indoor Fan motor
COOL	Cooling	ON	ON	ON
	Circulating	OFF	OFF	ON
DRY	Cooling	ON	ON	L/UL
	Dehumidifying	ON	ON	UL/D
	Circulating	OFF	OFF	D/OFF
FAN ONLY		OFF	OFF	ON

13. Diagnosis procedure

When indoor fan motor is out of order or compressor lock occurs, the compressor, inddor fan motor, outdoor fan motor, and louver are all stopped and the operation LED(red) turns on or off syncronously with the timimg of the timer LED.
When the thermistor for room temperature or pipe temperature is open or short state, the operation LED turns on or off syncronously with the timing of the timer LED by pushing continously for more than three seconds both "TEST" button and "AUX." button.



Timing chart of Timer LED and Operation LED of DIAGNOSIS PROCEDURE.
When "OI" button the remote controller or "AUX." button in the unit is pushed, the unit is free from DIAGNOSIS PROCEDURE.

14.Test mode

14-1 TEST 1 (For control circuit operation checking)

Make terminals 1 and 2 of connector CN4 short-circuited and supply power.
The timer's periods become shorter i.e. a 3 minute cycle is carried out in 3 seconds, except for ;

The operation LED flicker's period in Test run
The protector timer
The defrost timer
— not shortened

14-2 TEST 2 (For output of each operation checking)

Test mode is for checking output of each operation. Keep pushing both the buttons, "AUX." and "TEST RUN", and supply the power, the system will go to the test 2 mode.
In this mode, the output of operation is switched by the "TEST RUN" button in the unit or the "OI" button in the remote controller. Use the "AUX." button to back to step 1. Normal outputs are shown in Table H-5.

Table H-5

Step	Output for outdoor unit	Lamps		Indoor Fan motor	Louver
		RED	YELLOW		
1	OFF	※1	※2	OFF	OPEN
2	ON	Flickering	ON	D	OFF
3	OFF	ON	OFF	M	OFF
4	OFF	ON	ON	L	CLOSE
5	OFF	ON	OFF	D	OFF
6	OFF	OFF	OFF	UL	OFF
7	OFF	OFF	OFF※3	H	OFF
8	OFF	OFF	ON	M	OFF
9	OFF	ON	ON	L	OFF
10	OFF	OFF	ON	OFF	OFF
11	OFF	ON	OFF	OFF	OFF
12	OFF	OFF	ON	OFF	OFF
13	OFF	OFF	OFF	OFF	OFF
14	OFF	ON	ON	OFF	OFF
15	OFF	ON	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF	OFF
17	OFF	ON	ON	OFF	OFF
18	OFF	OFF	OFF	OFF	OFF
19	OFF	ON	OFF	OFF	OFF
20	OFF	ON	ON	OFF	OFF
21	OFF	ON	ON	OFF	OFF
22	OFF	OFF	OFF	OFF	OFF
23	OFF	OFF	OFF	OFF	OFF
	(Back to step 1)				

※1 : 7˚C ≦ Room temp.＜42˚C .... ON
: 7˚C ＞ (Room temp.) or (Room temp.)≧ 42˚C .... OFF

※2 : –2˚C≦ Pipe temp.＜ 42˚C .... ON
: –2˚C＞ (Pipe temp.) or (Pipe temp.) ≧ 42˚C .... OFF

※3 : ON in the case of Power on start

REFRIGERATION CYCLE

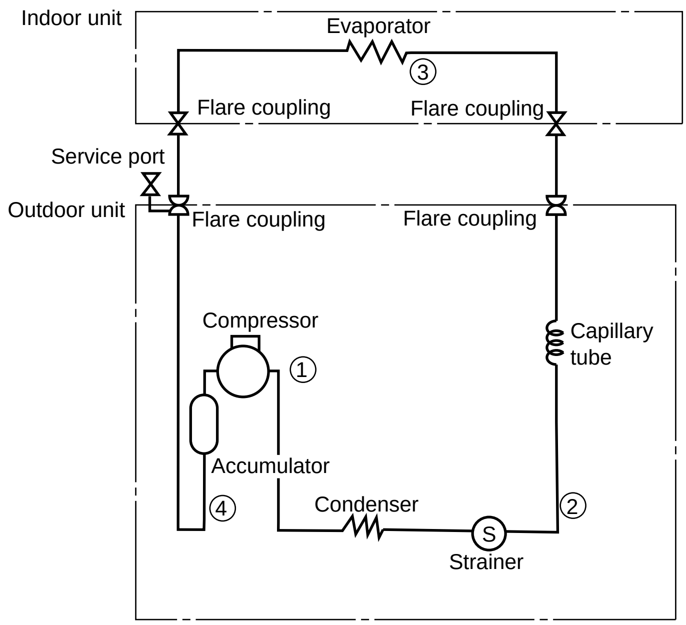


Figure R-1. Refrigeration Cycle

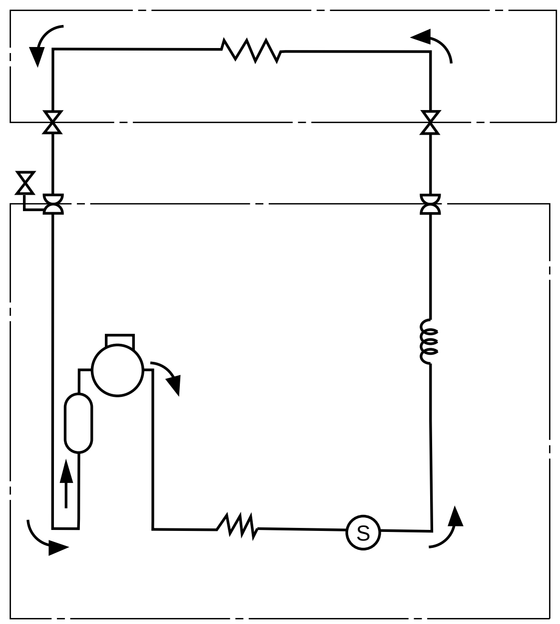


Figure R-2. Flow of Refrigerant

Cycle temperature and service port pressure
(ISC Cooling)

NO. Condition	Cooling
①	81˚C
②	39˚C
③	13˚C
④	9˚C
※ Service port pressure	0.53MPa

※ Gauge pressure

ISO Cooling T1 condition

	Indoor side		Outdoor side	
	Temperature (˚C)	Relative humidity (%)	Temperature (˚C)	Relative humidity (%)
Cooling	27	47	35	40

Dimension of Capillary tube

	O.D.	I.D.	L
Capillary tube	ø 2.7	ø 1.6	700

PERFORMANCE CURVES

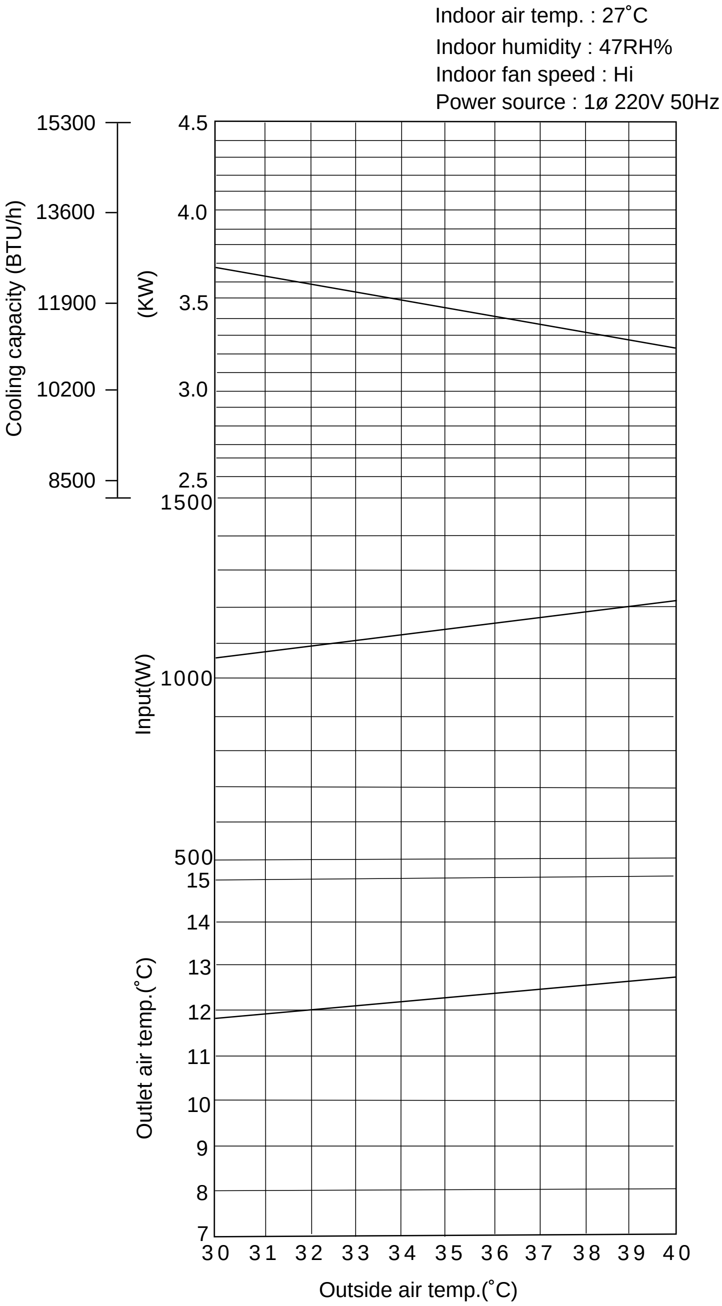


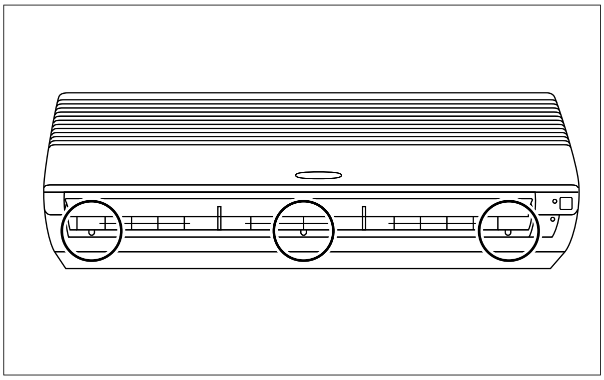
Figure P-1. At Cooling

DISASSEMBLING PROCEDURE

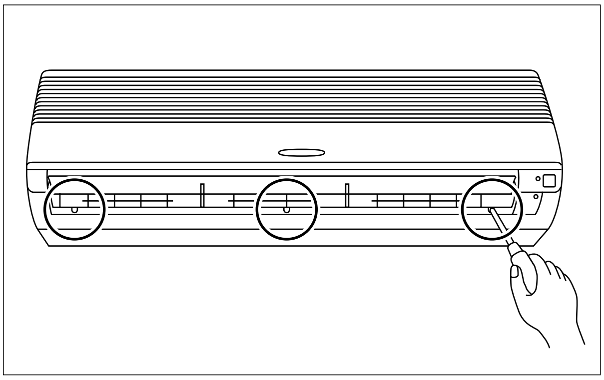
INDOOR UNIT

CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY SERVICING

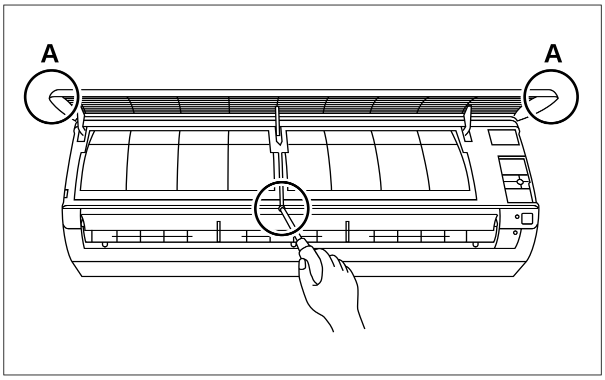
1. Remove the 3 screw covers in the front panel.



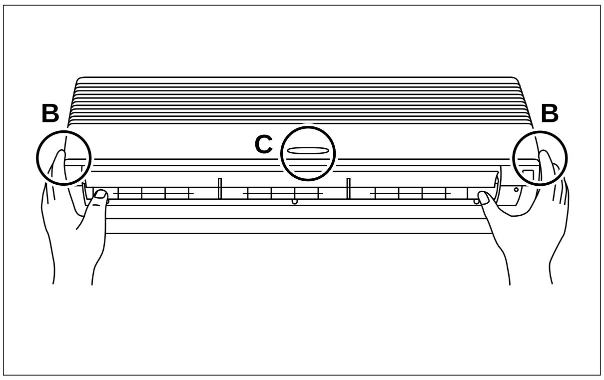
2. Remove 3 fixed screws.



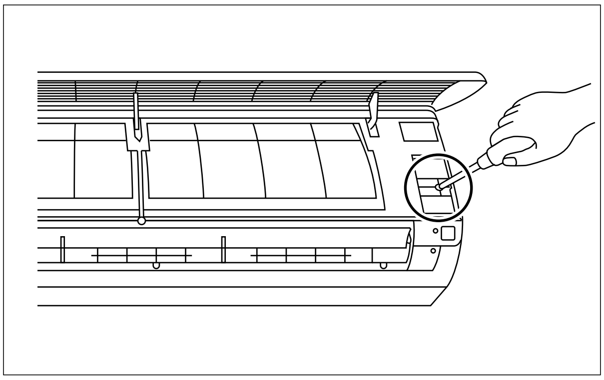
3. Pull the open panel at A toward you.
   Remove a fixed screw.



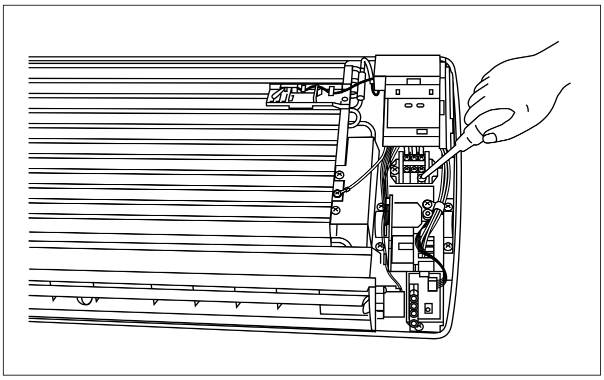
4. Close the open panel softly, and then press B and C of it securely.
   Remove the front panel ass'y as to lift up.



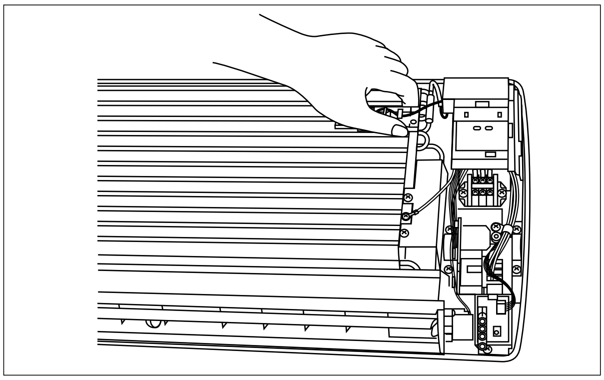
5. Loose a cord clamp screw and take it out.



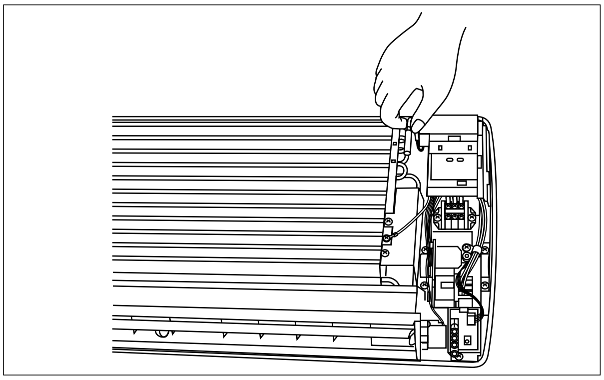
6. Loose 3 screws on the terminal board and take out the unit-to-unit cord from it.



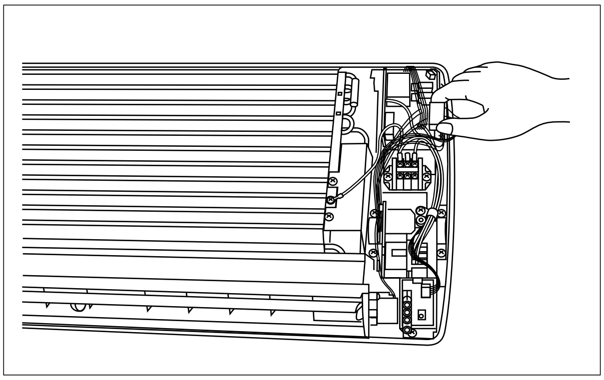
7. Take the thermistor holder from evaporator.



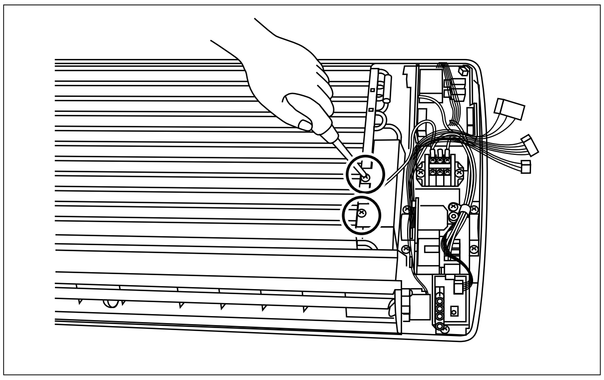
8. Take out the thermistor from evaporator.



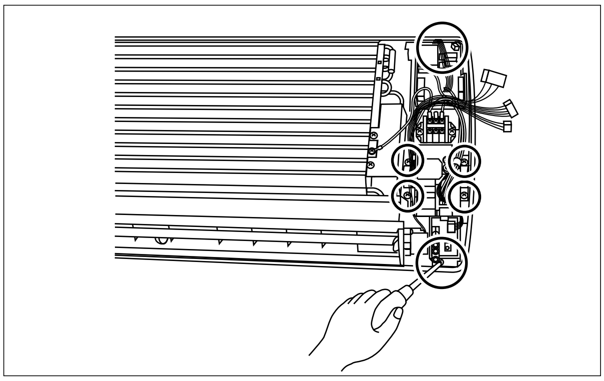
9. Disconnect fan motor connectors and others.



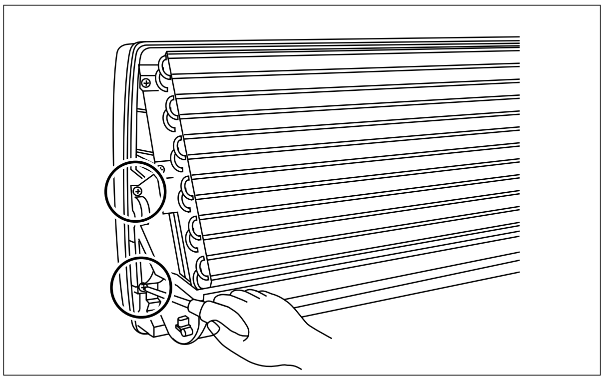
10. Loose 2 screws for a pipe cover and take it out. Loose the earth screw.



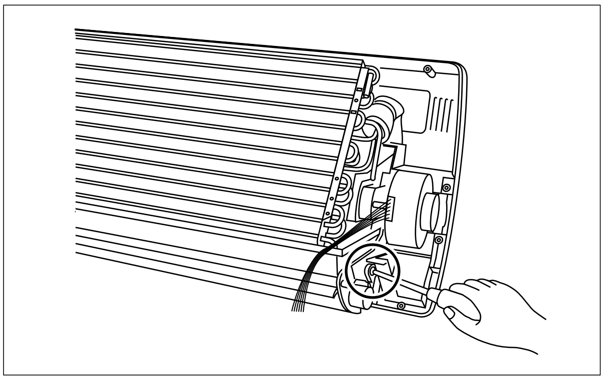
11. Loose 6 screws fixing control box and take out control ass’y.



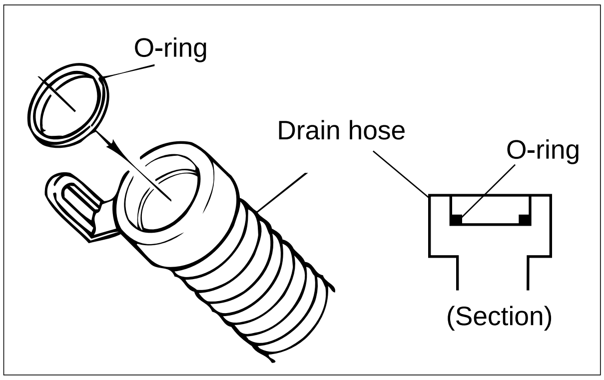
12. Loose 2 screws fixing drain pan ass’y. (Left side)



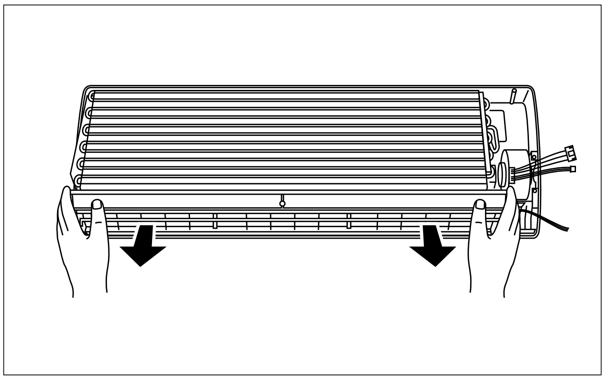
13. Loose a screw fixing drain hose.



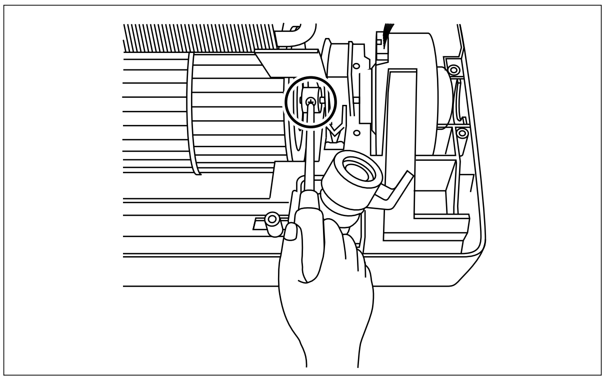
14. When assembling, make sure that O ring is fitted to the drain hose.



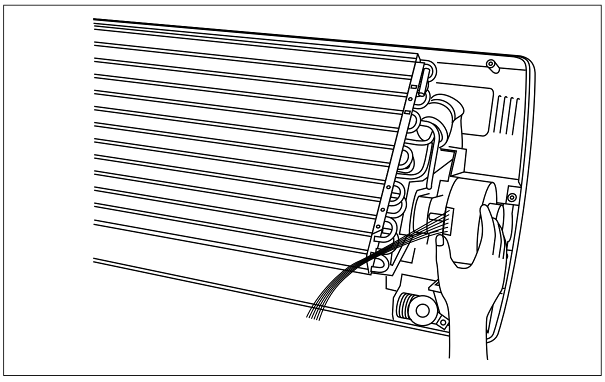
15.Take out the drain pan ass'y.



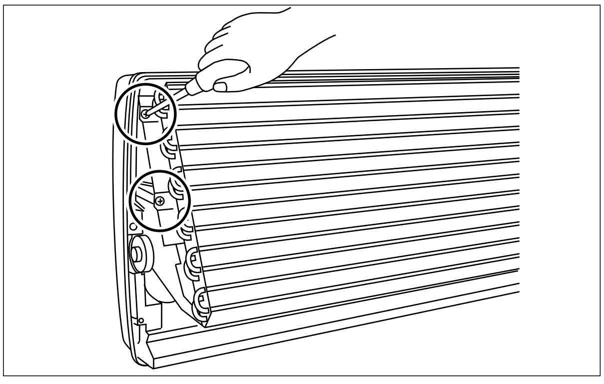
16.Loose a screw fixing cross flow fan to motor.



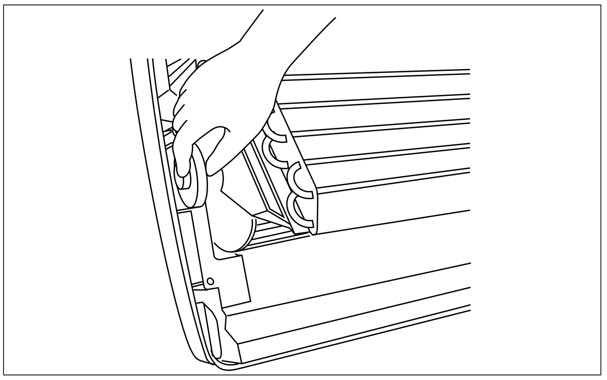
17.Slide the cross fan leftward to depart from the motor shaft and take out fan motor.



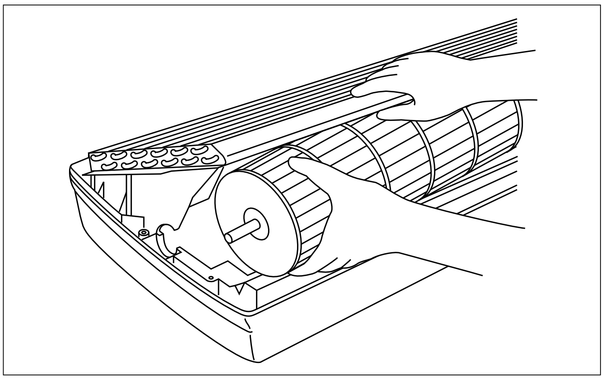
18.Loose 2 screws fixing evaporator.



19.Take out the fan bearing ass'y.



20.Take out the cross flow fan while slightly lifting the evaporator.



FOR OUTDOOR UNITMODEL AU-A129E

CAUTION:DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY SERVICING

1. Remove the three(3) screws holding the right side cover and take it out.
2. Remove the three(3) screws holding the left side cover and take it out.
3. Remove the another screws holding the cabinet and take it out.

NOTE: Number as shown in following figure is the re moval order.

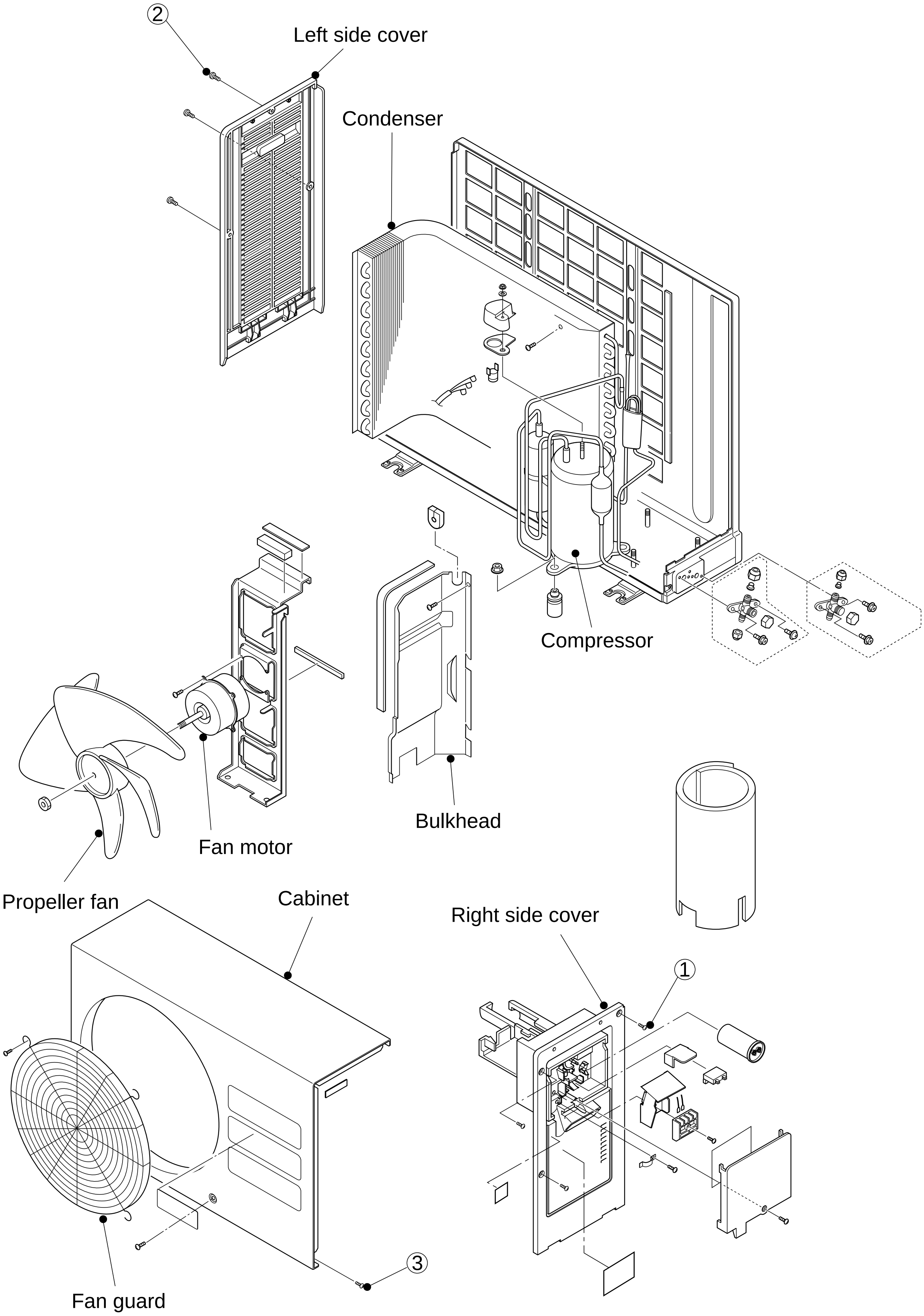
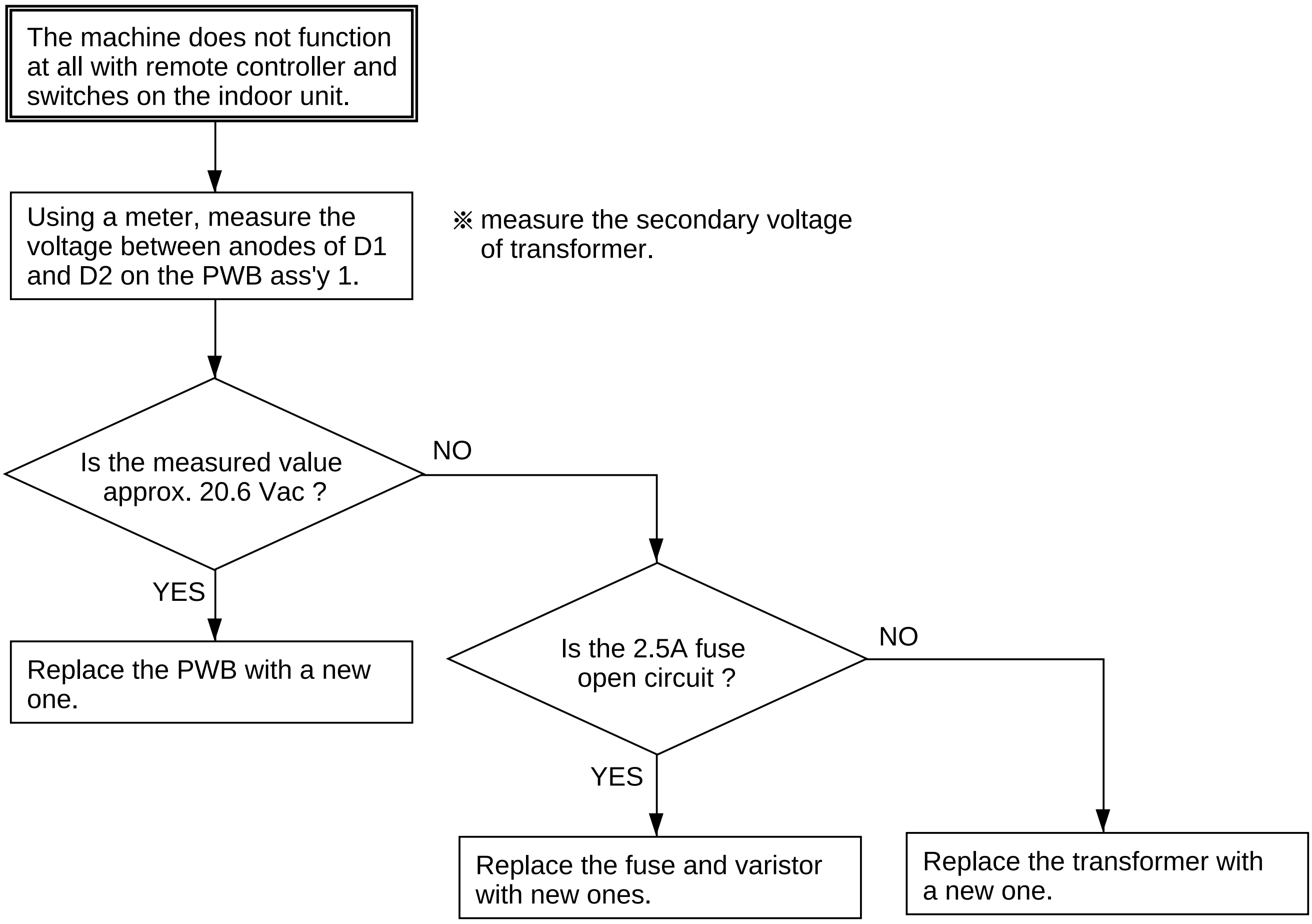
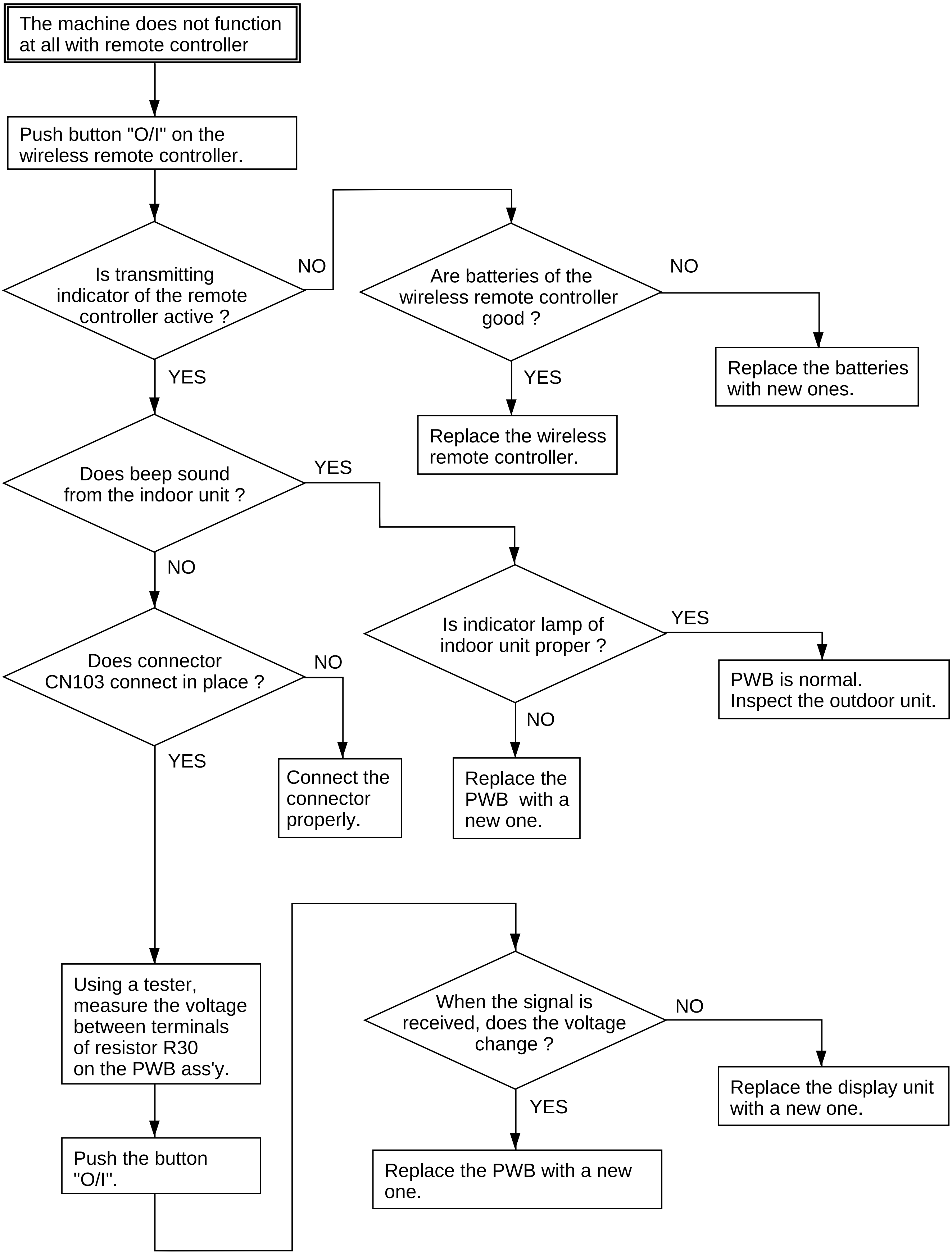


Figure D-1. OUTDOOR UNIT

TROUBLESHOOTING OF A CONTROL CIRCUIT




The machine does not function at all with remote controller
Push button "O/I" on the wireless remote controller.
Is transmitting indicator of the remote controller active ?
NO
Are batteries of the wireless remote controller good ?
NO
Replace the batteries with new ones.
YES
Replace the wireless remote controller.
YES
Does beep sound from the indoor unit ?
YES
Is indicator lamp of indoor unit proper ?
YES
PWB is normal. Inspect the outdoor unit.
NO
Replace the PWB with a new one.
NO
Does connector CN103 connect in place ?
NO
Connect the connector properly.
YES
Using a tester, measure the voltage between terminals of resistor R30 on the PWB ass'y.
Push the button "O/I".
When the signal is received, does the voltage change ?
NO
Replace the display unit with a new one.
YES
Replace the PWB with a new one.

CHARACTERISTIC OF TH1 & TH2

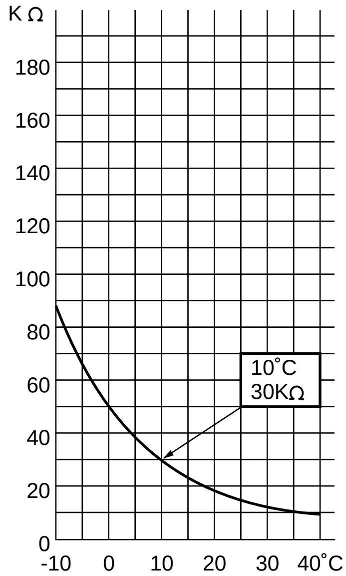


Fig. 1

The room is not cooled.
The compressor does not operate.

↓

Push the button "TEST" on the indoor unit, and wait 3 minutes.

↓

Using a meter, measure voltage at the terminals on the terminal board.

↓

Is there a voltage between terminal "N" and "1" of the terminal board the power supply voltage ?

- NO → Replace the PWB ass'y with a new one.
- YES ↓

Measure resistances of TH1 and TH2.

↓

Are the resistances correct Fig. 1 ?

- NO → Replace the thermistor ass'y with a new one.
- YES ↓

The control circuit is normal.
- The compressor may be defective.
- The running capacitor may be defective.
- Refrigerant may have leaked.
- The outdoor fan motor may be defective.
- The outdoor fan motor capacitor may be defective.

REPLACEMENT PARTS LIST [AH-A129E]

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
		CABINET AND UNIT PARTS		
1- 1	CMOT-A271JBK0	Fan motorr sub ass’y	1	BN
1- 2	NFANCA041JBE0	Cross flow fan	1	BG
1- 3	CSRA-A445JBK0	Drain pan ass’y	1	BN
1- 4	MJNTPA035JBFF	Louver link	3	AE
1- 5	MLOV-A115JBFE	Horizontal adjustment louver A	9	AB
1- 6	MLOV-A116JBFF	Horizontal adjustment louver B	3	AD
1- 7	MLOV-A171JBFE	Horizontal louver	1	AN
1- 8	PHOS-A015JBE0	Drain hose	1	AL
1- 9	PPACGA002JBE0	O ring	1	AA
1-10	LHLD-A279JBF0	Shaft holder	1	AC
1-11	GGAD-A042JBEA	Wire guard	1	AN
1-12	LHLD-A092JBFZ	Louver holder	2	AC
1-13	RMOT-A073JBE0	Louver motor	1	AU
1-14	CHLD-A067JBK0	Bearing ass’y	1	AL
1-15	PFPFPB038JBE0	Seal	1	AB
1-16	LHLDW0365JBE0	Wire holder	1	AA
1-17	PGUMMA056JBE0	Motor cushion	1	AN
1-18	PGUMMA082JBE0	Motor cushion	1	AD
1-19	DCHS-A356JBK0	Cabinet ass’y	1	BD
1-20	DWAK-A780JBK0	Panel ass’y	1	AZ
1-21	PFILMA065JBEF	Air filter	2	AN
1-22	HDEC-B021JBEA	Decoration panel	1	AL
1-23	GCOVAA006JBFE	Front panel cover	1	AD
1-24	HBDG-A059JBEA	Badge	1	AF
1-25	HPNL-A119JBTB	Open panel	1	AX
1-26	MARMPA006JBFA	Open arm L	1	AC
1-27	MARMPA007JBFA	Open arm R	1	AC
1-28	GWAK-A178JBFC	Front panel	1	AX
1-29	LHLD-A194JBF0	Panel center holder	1	AC
1-30	MARMPA008JBFA	Arm L	1	AC
1-31	MARMPA009JBFA	Arm R	1	AC
1-32	PGUMSA113JBE0	Damper rubber	1	AE
1-33	PCOV-A207JBE0	Drain cover	1	AC
1-34	PFPFPA905JBE0	Panel insulator A	1	AA
1-35	PFPFPA774JBE0	Cabinet insulator	1	AC
1-36	PGUMSA135JBE0	Damper rubber	2	AB
1-37	CPNL-A307JBK0	Open panel ass’y	1	AY
1-38	PCUS-A026JBE0	Cushion 12	1	AC
1-39	LHLD-A278JBE0	Guard holder	4	AD
1-40	LHLD-A181JBFA	Pipe holder	1	AC
1-41	LHLD-A161JBF0	Pipe holder	1	AD
1-42	QW-VZC636JBE0	Fan motor lead	1	AG
1-43	PSEL-B778JBE0	Aluminum tape	1	AC
1-44	PSEL-B779JBE0	Aluminum tape	1	AB
1-45	PSEL-B780JBE0	Aluminum tape	1	AD
1-46	PSEL-B863JBE0	Aluminum tape	1	AC
1-47	TSPC-C986JBRA	Name label	1	AD
1-48	TLABCB257JBR0	Wiring diagram	1	AD
		CONTROL BOX PARTS		
2- 1	DSGY-A878JBK0	Display unit	1	AS
2- 2	DPWBFA047JBK0	Switch board unit	1	AP
2- 3	QACC-A194JBE0	Power supply cord	1	AU
2- 4	QTAN-A127JBE0	Terminal board(3p)	1	AN
2- 5	QTAN-A088JBE0	Terminal board(3p)	1	AP
2- 6	DPWBFA154JBK0	COntrol board unit	1	BN
2- 7	PSEL-B777JBE0	Aluminun tape	1	AC
2- 8	RTRN-A182JBE0	Transformer	1	AY
2- 9	RC-HZA286JBE0	Fan motor capacitor	1	AY
2-10	RTHM-A296JBE0	Thermistor	1	AN
2-11	LHLD-A095JBF0	Thermistor holder	1	AC
2-12	PBOX-A133JBF0	Control box	1	AG
2-13	HPNLCA564JBF0	Control cover	1	AG
2-14	HPNLCA565JBEA	Operation panel	1	AG
2-15	LHLD-A141JBFA	Cord holder	1	AC
2-16	PSEL-B859JBE0	Aluminun tape	1	AC
2-17	PSHE-A072JBE0	Protect paper	1	AB
2-18	PSHE-A095JBE0	Protect sheet	1	AB
2-19	LHLD-A224JBFE	Cord clamp	1	AG
2-20	RH-IXA519JBE0	Microcomputer(IC1)	1	AX
2-21	RH-IZA149JBE0	Integrated circuit(IC2)	1	AE
2-22	RIC--A022BDE0	TIntegrated circuit(IC3)	1	AE
2-23	RIC--A025BDE0	Integrated circuit(IC4)	1	AE

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
2-24	RH-IZA140JBE0	Integrated circuit(IC5)	1	AE
2-25	RH-IZA337DRE0	Integrated circuit(IC6)	1	AK
2-26	VHRS201D01/-6	Solid state relay(SSR)	1	AK
2-27	RRLYJA032JBE0	Relay	1	AU
2-28	RFIL-A042JBE0	Coil(L)	1	AM
2-29	RH-VZA025JBE0	Varistor(NR)	1	AD
2-30	RC-QZA096JBE0	Capacitor(C1)	1	AE
2-31	QFS-AA050JBE0	Fuse	1	AD

CYCLE PARTS

3- 1	CPIPCA402JBK0	Pipe assembly	1	BB
3- 2	PEVA-A248JBE0	Evaporator	1	BT

ACCESSORY PARTS

4- 1	LX-NZ0247JBE0	Special nut	7	AB
4- 2	CRMC-A490JBE0	Wireless remote controller	1	BG
4- 3	TINS-A565JBR0	Installation manual	1	AF
4- 4	TINSEA221JBR0	Operation manual	1	AR
4- 5	PPLTNA020JBW0	Mounting angle	1	AP
4- 6	FCOV-A013JBFA	Screw cover	3	AB
4- 7	XTTSD45P30000	Tapping screw	6	AA
4- 8	LX-BZA106JBE0	Special screw	1	AD
4- 9	TLABPA175JBR0	Louver label	1	AB
4-10	TINS-A566JBR0	Installation manual	1	AD

SCREWS AND NUTS

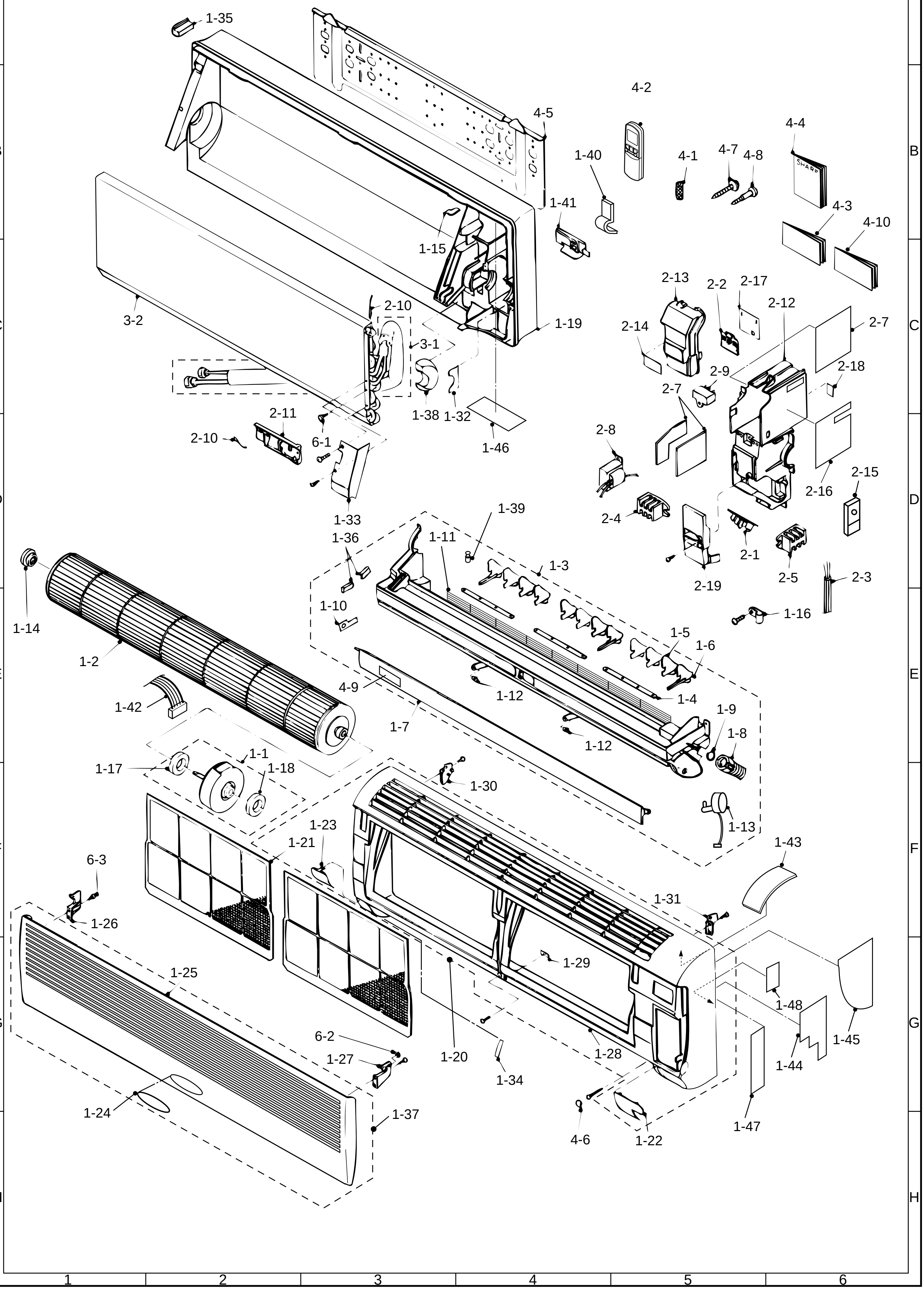
6- 1	LX-BZA075JBE0	Special screw	1	AA
6- 2	XREUW50-06000	Ring	2	AB
6- 3	XZPSD40P14000	Special tap screw	4	AA

HOW TO ORDER REPLACEMENT PARTS

To have your order filled prompty and correctly, please furnish the following information.

1. MODEL NUMBER 2. REF. NO.
3. PART NO. 4. DESCRIPTION

INDOOR UNIT


1-35
4-2
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1-47

REPLACEMENT PARTS LIST [AU-A129E]

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
CABINET AND UNIT PARTS				
1- 1	CMOTLA593JBE0	Fan motor	1	BQ
1- 2	NFANPA020JBEA	Propeller fan	1	AW
1- 3	PANGKA018JBP0	Motor stay angle	1	AP
1- 4	PSKR-0106JBP0	Bulkhead	1	AX
1- 5	GPLTPA014JBFA	Left side cover	1	AR
1- 6	GFTA-A387JBF0	Terminal cover	1	AH
1- 7	GBOX-A007JBFA	Right side cover	1	AR
1- 8	GCAB-A105JBTA	Cabinet	1	BA
1- 9	GGADFA030JBTA	Fan guard	1	AY
1-10	PSEL-A346JBE0	Bulkhead seal	1	AK
1-11	PSPF-A696JBE0	Compressor cover	1	AZ
1-12	TSPC-C984JBR0	Name label	1	AE
1-13	TLABBA029JBRA	Sharp badge	1	AC
1-14	CCHS-A661JBTA	Base pan ass'y	1	BH
1-15	PSPF-A277JBE0	Angle seal	1	AK
1-16	PSEL-A347JBE0	Angle seal	2	AK
1-17	PSEL-A344JBE0	Condenser seal	1	AK
1-18	PSEL-A345JBE0	Cabinet seal	1	AK
1-19	LBSHCA022JBE0	Bushing	1	AE
CONTROL BOX PARTS				
2- 1	TLABCB257JBR0	Wiring diagram	1	AD
2- 2	TLABPA182JBE0	Badge	1	AC
2- 3	QW-VZD440JBF0	Comp. wire ass'y	1	AP
2- 4	RC-HZA389JBE0	Runnning capacitor	1	BC
2- 5	RC-HZA154JBE0	Fan motor capacitor	1	AX
2- 6	QTAN-A153JBE0	Terminal board	1	AF
2- 7	LHLD-0227JBM0	Cord holder	1	AC
2- 8	PCOV-A455JBP0	Capacitor cover	1	AF
2- 9	PCOV-A471JBP0	Terminal cover	1	AR
CYCLE PARTS				
3- 1	PCMPRA290JBE0	Compressor	1	CH
3- 2	PCON-A410JBP0	Condenser	1	CA
3- 3	DVLV-A189JBK0	2-way valve unit	1	BB
3- 4	LX-NZ0133JBE0	Flare nut	1	AE
3- 5	LX-NZA081JBE0	Bonnet	1	AG
3- 6	PCAP-A006JBF0	Nut bonnet	1	AB
3- 7	DVLV-A286JBK0	3-way valve unit	1	BF
3- 8	LX-NZ0255JBE0	Flare nut	1	AH
3- 9	LX-NZA034JBE0	Service nut	1	AD
3-10	PCAP-0045JBE0	Nut bonnet	1	AD
3-11	DCPY-A185JBK0	Capillary tube ass'y	1	AP
3-12	LX-NZA037JBE0	Valve cap	1	AG
3-13	GLEG-A085JBE0	Compressor cushion	3	AK
3-14	LX-NZA048JBE0	Special nut	3	AB
3-15	PCOV-A378JBE0	Terminal cover	1	AH
3-16	LX-NZA152JBE0	Special nut	1	AD
3-17	PSEL-B172JBE0	Terminal gasket	1	AD
3-18	PSEL-B722JBE0	Rubber washer	1	AE
3-19	PGUMSA205JBE0	Damper rubber	1	AC
3-20	PSEL-B765JBE0	Insulator	1	AE
3-21	PSEL-B770JBE0	Insulator	1	AD
SCREWS AND NUTS				
6- 1	LX-BZA078JBE0	Special screw	4	AB
6- 2	LX-BZA075JBE0	Special screw	1	AA
6- 3	LX-NZA030JBE0	Special nut	1	AB
6- 4	LX-CZA038WRE0	Special screw	2	AA
6- 5	LX-BZA076JBE0	Special screw	4	AA
6- 6	XTTUW40P16000	Tapping screw	2	AB
6- 7	LX-WZA019JBE0	Washer	1	AD

HOW TO ORDER REPLACEMENT PARTS

To have your order filled prompty and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

OUTDOOR UNIT

